**POLYPHARMACY IN ALZHEIMER'S DISEASE PATIENTS: GUIDANCE TO PHARMACEUTICAL ASSISTANCE**

**Supplementary Material 2 – Drug Interaction**

**Rivastigmine x Nifedipine**

The association increases the risk of bradycardia due to the vagotonic action of anticholinesterases. Additives may occur if administered concurrently with other bradycardic agents, such as nifedipine.

**Donepezil x Citalopram**

The drug Citalopram, inhibits the isoenzyme that degrades the Donepezil drug, this can lead to increase plasma concentrations of the anticholinesterase drug.

**Amlodipine x Rivastigmine**

The association increases the risk of bradycardia due to the vagotonic action of anticholinesterases. Additives may occur if administered concurrently with other bradycardic agents, such as Amlodipine.

### Imipramine x Donepezil

### The anticholinesterase effect can be counteracted by anticholinergic drugs. In addition, side effects in elderly patients can be serious, especially in patients with dementias.

### Imipramine x Rivastigmine

### The anticholinesterase effect can be counteracted by anticholinergic drugs. In addition, side effects in elderly patients can be serious, especially in patients with dementias.

### Donepezil x Quetiapine

### The anticholinesterase effect can be counteracted by anticholinergic drugs. In addition, side effects in elderly patients can be serious, especially in patients with dementias.

### Atenolol x Donepezil

### The association increases the risk of bradycardia due to the vagotonic action of anticholinesterases. Additives may occur if administered concurrently with other bradycardic agents, such as atenolol.

### Paroxetine x Donepezil

The drug Paroxetine, inhibits the isoenzyme that degrades the Donepezil drug, this can lead to increase plasma concentrations of the anticholinesterase drug.

### Aspirin x Donepezil

### There may be discomfort and gastric damage and an increase in anticholinergic activity.

### Phenobarbital x Donepezil

### The drug Phenobarbital, super stimulates the enzyme that degrades the Donepezil drug, this can lead to accelerated anticholinesterase clearance.

### Amiodarone x Donepezil

The association increases the risk of bradycardia due to the vagotonic action of anticholinesterases. Additives may occur if administered concurrently with other bradycardic agents, such as amiodarone.  
 **Sertraline x Donepezil**  
  
The drug Sertraline, inhibits the isoenzyme that degrades the Donepezil drug, this can lead to increase plasma concentrations of the anticholinesterase drug.  
 **Risperidone x Donepezil**  
The association with atypical antipsychotics decreases the effectiveness of anticholinesterase due to the opposition of treatment effects.  
 **Ranitidine x Donepezil**The combination may negate the anticholinesterase effect.  
 **Digoxin x Donepezil**  
The association increases the risk of bradycardia due to the vagotonic action of anticholinesterases. Additives may occur if administered concurrently with other bradycardic agents, such as Digoxin.  
 **Olanzapine x Donepezil**  
The association with antipsychotics decreases the efficacy of anticholinesterase due to the opposition of treatment effects.

**Other interactions**

Levodopa X Losartan

Levodopa X Pramipexol

Levodopa X Promazine

Promazine X Solifenacin

Levodopa X Solifenacin

Omeprazole X Citalopram

Levothyroxine X Simvastatin

Atenolol X Quetiapine

Valsartan X Quetiapine

Paroxetine X Quetiapine

Atenolol X Valsartan

Enalapril X Aspirin

Enalapril X Metformin

Enalapril X Insulin Glargine

Amiodarone X Indapamide

Amiodarone X Sertraline

Phenobarbital X Sertraline

Indapamide X Phenobarbital

Phenobarbital X Telmisartan

Levodopa X Risperidone

Sertraline X Risperidone

Sertraline X Pramipexole

Risperidone X Pramipexole

Levodopa X Pramipexole

Omeprazole X Cilostazol

Diazepam X Olanzapine

Omeprazole X Clopidogrel

Venlafaxine X Clopidogrel

Losartan X Insulin Isophane

Metformin X Insulin Isophane

Hdrochlorothiazide X Insulin Isophane

Olanzapine X Insulin Isophane

Clopidogrel X Cilostazol

Venlafaxine X Cilostazol

Metformin X Olanzapine

Venlafaxine X Olanzapine

Hydrochlorothiazide X Olanzapine

Diazepam X Hydrochlorothiazide

Digoxin X Hydrochlorothiazide

Diazepam X Omeprazole

Hydrochlorothiazide X Omeprazole

Digoxin X Omeprazole

Diazepam X Venlafaxine

Hydrochlorothiazide X Venlafaxine

Hydrochlorothiazide X Metformin

Ranitidine X Metformin

Digoxin X Metformin

Diazepam X Losartan

Losartan X Olanzapine

Diazepam X Digoxin

**References**

12. Goodman & Gilman: As Bases Farmacológicas da Terapêutica. 12ª ed. Rio de Janeiro: McGraw-Hill, 2012.

13. Drug Interactions Checker 2017, Information from Drugs.com; c2000-10. http://www.drugs.com/. Aceessd Jan 20, 2017.